



## PATENT ABSTRACTS OF JAPAN

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(21) Application number: **04080270**(22) Date of filing: **03.03.1992**(71) Applicant: **NIPPON KAYAKU CO LTD**(72) Inventor: **NAKAYAMA KENJI****AIZAWA HIROE****OZAKI TORU****YOKOSHIMA MINORU****(54) RESIN COMPOSITION, TRANSMISSION  
SCREEN ULTRAVIOLET-CURABLE RESIN  
COMPOSITION AND CURED MATERIAL****(57) Abstract:**

**PURPOSE:** To obtain the subject composition giving a cured product having high refractive index and excellent mold releasability and replicativity, etc., by using a specific urethane (meth)acrylate, a compound containing ethylenically unsaturated group other than the above acrylate and a photo-polymerization initiator as essential components.

**CONSTITUTION:** The objective composition is produced by compounding (A) an urethane (meth)acrylate produced by reacting (i) a diol compound having a

molecular weight of  $\geq 500$ , (ii) a compound of formula (R is H or methyl; (n) is 2-6; (m) is 0-5), (iii) an organic polyisocyanate compound and (iv) an OH- containing (meth)acrylate with (B) a compound containing ethylenically unsaturated group other than the component A [e.g. 2-hydroxyethyl (meth)acrylate] and (C) a photo-polymerization initiator (e.g. benzoin). The amount of the component B is preferably 50-1,000 pts.wt. based on 100 pts. wt. of the component A and that of the component C is preferably 0.1-10 pts. wt. based on 100 pts.wt. of A+B.

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